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NOTICE OF ALLOWANCE AND FEE(S) DUE

40854

7590

10/07/2009

RANKIN, HILL & CLARK LLP 38210 Glenn Avenue WILLOUGHBY, OH 44094-7808 EXAMINER

MARC, MCDIEUNEL

ART UNIT PAPER NUMBER

3664 DATE MAILED: 10/07/2009

| | APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-----------------|-------------|----------------------|---------------------|------------------|
| Ī | 10/553,278 | 10/13/2005 | Masakazu Kawai | SAT-16287 | 1278 |

TITLE OF INVENTION: METHOD OF ASSUMING ACTING POINT OF FLOOR REACTION FORCE TO BIPED WALKING MOBILE BODY AND

METHOD OF ASSUMING JOINT MOMENT OF BIPED WALKING MOBILE BODY

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 01/07/2010 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

| appropriate. All further indicated unless correct maintenance fee notifica | correspondence including delayed or directed of tions. | ng the Patent, advance on nerwise in Block 1, by (a | rders and notification a) specifying a new c | of n | naintenance fees w pondence address; | /ill be and/or | mailed to the current r (b) indicating a sepa | corresponder arate "FEE Al | nce address as DDRESS" for |
|--|--|---|--|---|--|---|--|--|---|
| CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) | | | | Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. | | | | | |
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| RANKIN, HIL 38210 Glenn Av WILLOUGHBY | | I her State addr trans | certify that the Postal Service wessed to the Mail smitted to the USP | tificate is Fee(s vith suf Stop TO (57 | e of Mailing or Trans s) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the d | mission g deposited w st class mail is above, or be ate indicated b | ith the United n an envelope eing facsimile below. | | |
| | | | | | | | | (I) | Depositor's name) |
| | | | | | | | | | (Signature) |
| | | | | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVEN | TOR | | ATTO | RNEY DOCKET NO. | CONFIRMA | TION NO. |
| 10/553,278 | 10/13/2005 | • | Masakazu Kawai | | | | SAT-16287 | 12 | 78 |
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| nonprovisional | NO | \$1510 | \$300 | | \$0 | | \$1810 | 01/07/2010 | |
| EXAM | IINER | ART UNIT | CLASS-SUBCLASS | \$ | | | | | |
| MARC, MO | CDIEUNEL | 3664 | 700-245000 | | | | | | |
| Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. | | | registered attorney or agent) and the names of up to | | | | | | |
| PLEASE NOTE: Unl | less an assignee is ident h in 37 CFR 3.11. Comp GNEE | A TO BE PRINTED ON ' ified below, no assignee bletion of this form is NO | data will appear on t T a substitute for filin (B) RESIDENCE: (C | he pag an a | attent. If an assign assignment. and STATE OR C | COUNT | | | |
| | | | o. Payment of Fee(s): (A check is enclose Payment by credit | (Plea ed. t care | d. Form PTO-2038 | is atta | | eficiency, or c | redit anv |
| 5. Change in Entity Sta | tus (from status indicateds SMALL ENTITY state | | _ | | | | ΓΙΤΥ status. See 37 C | | |
| NOTE: The Issue Fee an interest as shown by the | d Publication Fee (if req records of the United Sta | uired) will not be accepte tes Patent and Trademark | d from anyone other the Office. | nan tl | ne applicant; a regi | stered a | attorney or agent; or th | ne assignee or | other party in |
| Authorized Signature | | | | | Date | | | | |
| Typed or printed nam | | | | | | | | | |
| an application. Confiden submitting the completed this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223 | tiality is governed by 35 d application form to the ions for reducing this bu irginia 22313-1450. DC 113-1450. | CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th O NOT SEND FEES OR | 1.14. This collection is depending upon the second control of the control of the complete com | s est indiv office S TC | imated to take 12 i idual case. Any co r, U.S. Patent and DTHIS ADDRESS | minutes omment Traden S. SENI | s to complete, includir is on the amount of ti nark Office, U.S. Dep D TO: Commissioner | ng gathering, page you require artment of Co for Patents, P. | TO to process) oreparing, and the to complete mmerce, P.O. O. Box 1450, |



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| 38210 Glenn Aven | | ART UNIT PAPER NUMBE | | | |
| WILLOUGHBY, OH 44094-7808 | | | 3664 | | |
| | | DATE MAILED: 10/07/2009 | | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 658 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 658 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

| | Application No. | Applicant(s) | | | |
|---|---|---|--|--|--|
| | 10/553,278 | KAWAI, MASAKAZU | | | |
| Notice of Allowability | Examiner | Art Unit | | | |
| | MCDIEUNEL MARC | 3664 | | | |
| The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) | ears on the cover sheet wit (OR REMAINS) CLOSED in | th the correspondence address this application. If not included | | | |
| NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 | IGHTS . This application is s | | | | |
| 1. This communication is responsive to 7/7/2009. | | | | | |
| 2. ☑ The allowed claim(s) is/are <u>1-5</u> . | | | | | |
| Acknowledgment is made of a claim for foreign priority ur a) | | or (f). | | | |
| Certified copies of the priority documents have | | | | | |
| Certified copies of the priority documents have | been received in Applicatio | n No | | | |
| 3. Copies of the certified copies of the priority do | cuments have been received | I in this national stage application from the | | | |
| International Bureau (PCT Rule 17.2(a)). | | | | | |
| * Certified copies not received: | | | | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | | a reply complying with the requirements | | | |
| 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give | | | | | |
| 5. CORRECTED DRAWINGS (as "replacement sheets") mus | st be submitted. | | | | |
| (a) ☐ including changes required by the Notice of Draftspers | on's Patent Drawing Review | ı (PTO-948) attached | | | |
| 1) ☐ hereto or 2) ☐ to Paper No./Mail Date | | | | | |
| (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date | s Amendment / Comment or | in the Office action of | | | |
| Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t | | | | | |
| 6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT | | | | | |
| | | | | | |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) | 5 ☐ Notice of Int | formal Patent Application | | | |
| 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) | | ummary (PTO-413), | | | |
| 3. ☐ Information Disclosure Statements (PTO/SB/08), | | Mail Date Amendment/Comment | | | |
| Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit | 8. 🛛 Examiner's | Statement of Reasons for Allowance | | | |
| of Biological Material | 9. 🔲 Other | 9. | | | |
| | | | | | |

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Allowable Subject Matter

1. Claims 1-5 are allowed in light of the terminal disclaimer filed on 01/29/2009.

2. The following is an examiner's statement of reasons for allowance:

The prior art of record fail to teach or fairly suggest a method of successively estimating the position of a floor reaction acting point of reach leg of a biped walking mobile body comprising the steps of a first ground contact sensor and a second ground contact sensor being provided on the sole of the foot of each leg of the biped walking mobile body, and the first and the second ground contact sensors outputting ground contact detection signals based on whether a place directly below an ankle joint of a leg and a place directly below a metatarsophalangeal joint of the foot of the leg, respectively, are in contact with the ground in combination with the other elements of the claimed invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MCDIEUNEL MARC whose telephone number is (571)272-6964. The examiner can normally be reached on 6:30-5:00 Mon-Thu.

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Art Unit: 3664

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Khoi Tran can be reached on (571) 272-6919. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/McDieunel Marc/ Examiner, Art Unit 3664 Thursday, September 10, 2009 /KHOI TRAN/ Supervisory Patent Examiner, Art Unit 3664